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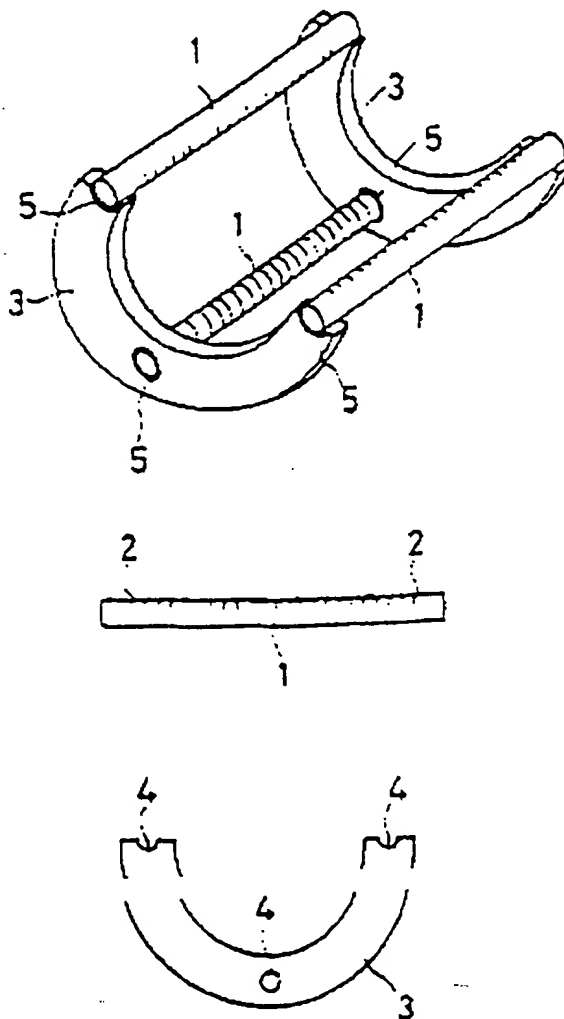
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(54) MANUFACTURE OF
WAFER BOAT

(57) Abstract:

PURPOSE: To obtain a refractory wafer boat of SiC by producing bar members and support plates separately, bonding them together by means of a resin containing SiC, and heating and welding them.

CONSTITUTION: Bar members 1 and support plates 3 are produced separately. Each of the bar members 1 is formed by providing a carbon bar with grooves 2, silicifying the grooved bar and impregnating it with Si. Each of the plates 3 is formed by providing a carbon semi-circular plate with recesses 4, silicifying the recessed plate and impregnating it with Si. The bar members 1 and the support plates 3 are bonded together by means of phenol resin 5 having SiC dispersed, and they are heated and welded. As a result, carbon in the resin 5 is reacted with silicon in the members 1 and plates 3 to produce SiC, whereby the members and the plates are fixed securely.



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